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**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER**

**EXPANSION OF AMMUNITION AND
EXPLOSIVES STORAGE FACILITIES
IRAQ**

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EXPANSION OF AMMUNITION AND EXPLOSIVES STORAGE FACILITIES, IRAQ

ABSTRACT

1. An increase in the number and size of ammunition and explosives storage facilities in Iraq was observed on KEYHOLE photography between January 1972 and July 1973. The increase was a result of the construction of new facilities and the expansion of previously existing facilities. This report includes a description of the new facilities, a table and map presenting the status and locations of all facilities, and photographs of selected ammunition and explosives storage facilities.

2. Ammunition and explosives storage facilities directly associated with airfields or with such commercial activities as mines and quarries are not included in this report.

INTRODUCTION

3. As of January 1972 a total of 20 ammunition and explosives storage facilities had been identified in Iraq. One of these was being expanded. Analysis of imagery from January 1972 through July 1973 revealed that four new facilities were under construction and nine facilities were being expanded.

4. Only the four ammunition and explosives storage facilities which were constructed between January 1972 and July 1973 are described in this report. The status and locations of all 24 facilities are summarized in Table 1 and Figure 1. Table 1 also presents the BE number and geographic coordinates of each facility.

BASIC DESCRIPTION

5. Iraq has increased the number and size of its ammunition and explosives storage facilities since January 1972. As of July 1973 four new facilities were added and nine were being expanded. Two of the new facilities, Hamdi Al Pachachi Explosives Storage Facility and Tikrit Ammunition Depot, are illustrated in Figures 2 and 3. Figures 4 and 5 illustrate two of the facilities being expanded, Khan Al Mahawil Barracks and Ammunition Depot and Al Mawsil Ammunition Depot.

6. Three types of standard Iraqi storage structures were observed in the installations discussed in this report. These structures and their approximate measurements are as follows: small storage bunker, usually earth covered, large storage bunker, usually earth covered, and revetted explosives storage building,

7. Other revetted buildings, unrevetted buildings, and open storage revetments of various sizes and types used for ammunition and explosives storage were also observed at some of the Iraqi ammunition and explosives storage areas.

8. New ammunition and explosives storage facilities were identified near Baghdad, Tikrit, An Nasiriyah, and Al Kut.

9. Hamdi Al Pachachi Explosives Storage Facility (item 15, Figure 1) is 17 nm northwest of the center of Baghdad. It was first identified in March 1973. The fence-secured facility (Figure 2) contained six revetted explosives storage buildings, one support building under construction, and a security building.

10. Tikrit Ammunition Depot (item 19, Figure 1) is 7 nm north-northwest of Tikrit. It was first identified in February 1972. The fence-secured facility (Figure 3) contained large single-entrance storage bunkers, two revetted buildings, and four support buildings. Construction was continuing on support facilities and roads serving the bunkers.

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11. An Nasiriyah Ammunition Storage Facility (item 3, Figure 1) is 5.7 nm south-southwest of An Nasiriyah. It was first identified in April 1973 [REDACTED]. The unsecured facility contained 16 large single-entrance storage bunkers in the mid-stages of construction. 25X1

12. Al Kut Ammunition Storage Facility (item 7, Figure 1) is 5.6 nm east of Al Kut. It was first identified in July 1973 [REDACTED]. The unsecured facility contained ten large single-entrance storage bunkers in the initial stages of construction. 25X1

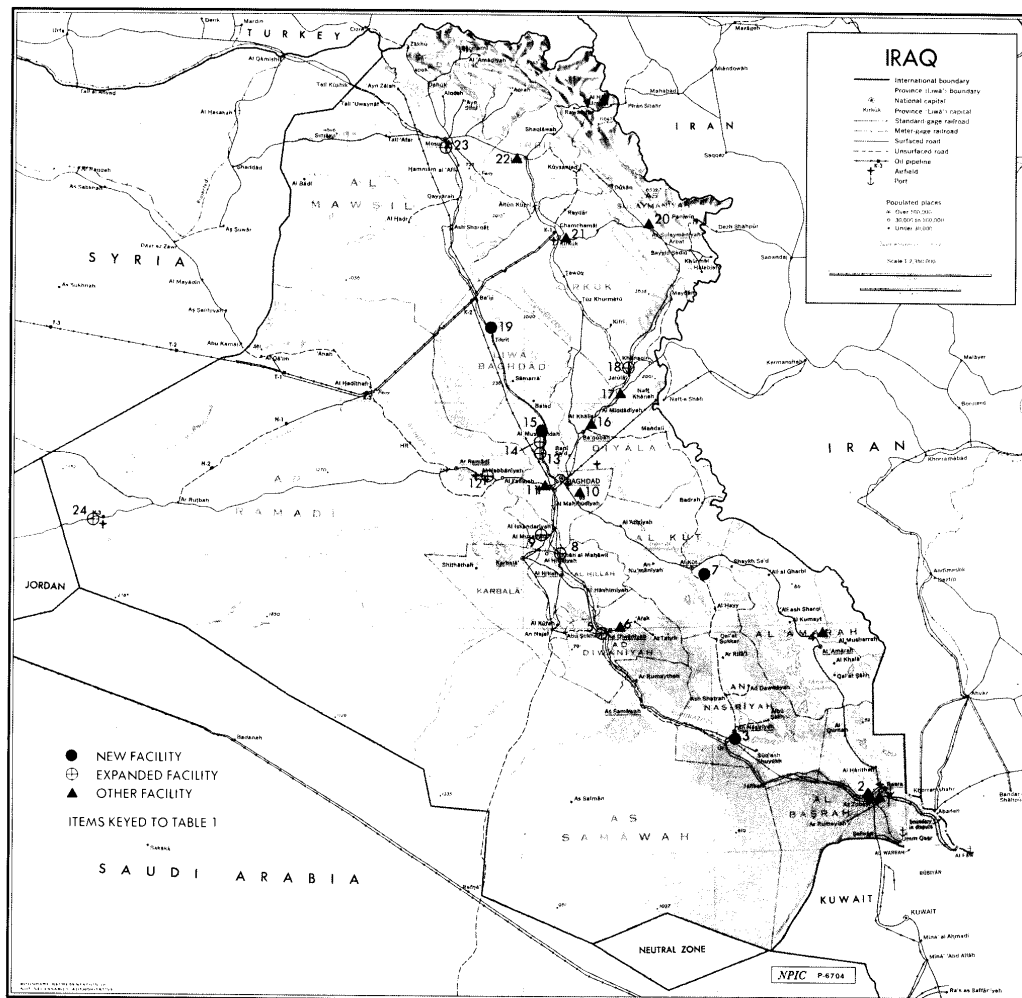


FIGURE 1. LOCATIONS OF 24 AMMUNITION AND EXPLOSIVES STORAGE FACILITIES IN IRAQ

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Table 1. Ammunition and Explosives Storage Facilities, Iraq
(Items keyed to Figure 1)

Storage Structures*				Storage Structures*				Storage Structures*																															
Item	Installation	Observed January 1972	Added Since January 1972	Item	Installation	Observed January 1972	Added Since January 1972	Item	Installation	Observed January 1972	Added Since January 1972																												
1	Az Zubayr Ammunition Storage Area 30-25-10N 047-42-15E	9 large bunkers 1 revetted bldg 1 unrevetted bldg	None	11	Baghdad Ammunition Depot West 33-17-30N 044-10-48E	2 large bunkers 6 small bunkers 1 revetted explosives storage bldg 12 unrevetted bldgs 7 poss storage revetments	None	19	Tikrit Ammunition Depot (Fig 3) 34-43-10N 043-39-00E	Not present	37 large bunkers 2 revetted bldgs																												
2	Al Basrah Ammunition Storage Ash Shuaybah 30-28-40N 047-38-50E	10 large bunkers	None	12	Habbaniyah Ammunition Depot 33-22-28N 043-31-29E	3 large bunkers 20 small bunkers 4 revetted explosives storage bldgs 1 revetted bldg 1 unrevetted bldg	3 large bunkers ucon 20 small bunkers ucon	20	As Sulaymaniyah Barracks Area 35-33-52N 045-26-08E	3 small bunkers 2 unrevetted bldgs	None																												
3	An Nasiriyah Ammunition Storage Facility 30-57-50N 046-11-55E	Not present	16 large bunkers ucon	13	Baghdad Radar Training School Taji 33-31-00N 044-14-48E	9 small bunkers 5 unrevetted bldgs	4 unrevetted bldgs	21	Kirkuk Ammunition Storage Depot 35-29-45N 044-25-48E	3 large bunkers 10 small bunkers 1 revetted explosives storage bldg 3 unrevetted bldgs	None																												
4	Al Anasrah Ammunition Storage Area 31-52-40N 047-09-40E	12 large bunkers 1 small bunker 1 revetted bldg 1 unrevetted bldg	None	14	Baghdad Explosives Storage Taji 33-33-00N 044-13-50E	22 large bunkers 4 small bunkers 6 revetted bldgs 1 unrevetted bldg 12 storage revetments	4 large bunkers ucon 1 unrevetted bldg ucon	22	Irbil Ammunition Depot 36-12-10N 043-56-25E	2 large bunkers 8 small bunkers 2 revetted explosives storage bldgs 4 unrevetted bldgs	None																												
5	Ad Diwaniyah Ammunition Storage Facility SW 31-57-40N 044-53-40E	4 large bunkers 4 small bunkers 1 revetted bldg 1 unrevetted bldg	4 large bunkers ucon	15	Hamdi Al Pachachi Explosives Storage Facility (Fig 2) 33-34-30N 044-13-50E	Not present	6 revetted explosives storage bldgs	23	Al Mawasil Ammunition Depot (Fig 5) 36-17-17N 043-08-20E	8 large bunkers 13 small bunkers 1 revetted bldg 2 unrevetted bldgs	14 large bunkers ucon																												
6	Ad Diwaniyah Ammunition Storage Facility 32-09-15N 045-00-20E	11 large bunkers	None	16	Baqubah Army Barracks East 33-45-23N 044-40-22E	16 small bunkers 4 revetted explosives storage bldgs 3 unrevetted bldgs	None	24	H-3 Military Installation West 32-56-50N 039-40-40E	7 large bunkers	11 prob large bunkers ucon																												
7	Al Kut Ammunition Storage Facility 32-31-00N 045-56-55E	Not present	10 large bunkers ucon	17	Al Mansuriyah Army Barracks Depot and Training Center 34-02-30N 045-00-20E	12 small bunkers 4 revetted explosives storage bldgs 2 unrevetted bldgs	None	<table><tr><th>Type</th><th>Total Observed January 1972</th><th>Total Added Since January 1972</th><th>Combined Total</th></tr><tr><td>Large bunker</td><td>127</td><td>123 (11 prob)</td><td>250 (11 prob)</td></tr><tr><td>Small bunker</td><td>125</td><td>7</td><td>132</td></tr><tr><td>Revetted explosives storage bldg</td><td>18</td><td>6</td><td>24</td></tr><tr><td>Revetted bldg</td><td>13</td><td>2</td><td>15</td></tr><tr><td>Unrevetted bldg</td><td>49</td><td>5</td><td>54</td></tr><tr><td>Storage revetment</td><td>19 (7 poss)</td><td>None</td><td>19 (7 poss)</td></tr></table>				Type	Total Observed January 1972	Total Added Since January 1972	Combined Total	Large bunker	127	123 (11 prob)	250 (11 prob)	Small bunker	125	7	132	Revetted explosives storage bldg	18	6	24	Revetted bldg	13	2	15	Unrevetted bldg	49	5	54	Storage revetment	19 (7 poss)	None	19 (7 poss)
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8	Khan Al Mahawil Barracks and Ammunition Depot (Fig 4) 32-42-35N 044-23-47E	9 small bunkers 1 revetted explosives storage bldg 3 unrevetted bldgs	15 large bunkers ucon	18	Jalula Mahattat Barracks and Ammunition Storage Area 34-16-20N 045-08-55E	6 large bunkers 8 small bunkers 1 revetted explosives storage bldg	2 small bunkers ucon																																
9	Al Mussavib Barracks and Ordnance Depot Al Afandiyah 32-49-05N 044-15-42E	10 large bunkers 2 small bunkers 1 revetted bldg 3 unrevetted bldgs	9 large bunkers ucon																																				
10	Saiyid Rauf Ammunition Depot 33-10-54N 044-37-55E	20 large bunkers 1 revetted bldg 2 unrevetted bldgs	None																																				

*Dimensions and descriptions of three standard Iraqi storage structures are presented in paragraph 6.

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